

PREFACE

The present issue is the 6th volume of The Josai Mathematical Monographs (JMM). JMM is founded by the Graduate School of Science of Josai University (GSSJU), and appears yearly. JMM aims at formal as well as informal information on developments in mathematical research by the mathematical faculty of GSSJU and others.

These Proceedings documents are the scientific program of the Workshop on Representation theory of algebraic groups and related topics, which was held at Josai University(JU), on September 15, 16 in 2012. They contain twelve refereed papers, spanning a broad range of topics within the representation theory or other fields. The editors would like to cordially thank them who made an effort to comply with our submission guidelines. Editing this volume was, and could only succeed as, a team work. We sincerely appreciate the dedication and countless hours of work invested by all participants of the workshop.

We hope that this volume and the activities will provide the reader with a good view of the present status of the representation theory in many different aspects.

The workshop and the publication of this Proceedings were totally supported by Funding from the Special Grant of Josai University. We would like to express our thanks to the Authorities of JU who have supported the program financially.

It is our wish that the publication of The Josai Mathematical Monographs will be fruitful. Papers in JMM series are found in the website of Mizuta memorial library (http://libir.josai.ac.jp/infolib/meta_pub/G0000002repository).

March 2013

Kiyoko Nishizawa (Editor in Chief)